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TITLE : ELECTRODE RECOVERING METHOD OF PHOSPHORIC ACID TYPE FUEL CELL

ABSTRACT : PURPOSE: To give water repellent property to a catalyst layer to recover performance of electrode for a cell by fluorinating the surface of carbon, carried with catalyst, of an electrode in which water repellent property of catalyst layer is deteriorated, to cover with a graphite fluoride film.

CONSTITUTION: An electrode for phosphoric acid type fuel cell, in which water repellent property of catalyst layer is deteriorated, is placed in an atmosphere of fluorine gas of 100~300°C. The surface of carbon carried with catalyst is fluorinated by adjusting F₂ partial pressure and atmosphere and covered with graphite fluoride film to give water repellent ability to the catalyst layer. By this process, performance of the cell is recovered without replacing with a new cell.

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